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APPLICATION N	10.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/698,386		11/03/2003	Matts Lindgren	1504-1029	2723
466	7590	05/10/2005		EXAM	INER
YOUNG	& THOM	1PSON	FORD, JOHN K		
745 SOUTH 23RD STREET 2ND FLOOR				ART UNIT	PAPER NUMBER
ARLING	ARLINGTON, VA 22202			3753	
				DATE MAILED: 05/10/2005	5

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	10/698,386	LINDGREN, MATTS				
Office Action Summary	Examiner	Art Unit				
	John K. Ford	3753				
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	ith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR RITHE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, - If NO period for reply is specified above, the maximum statutory properties of the period for reply within the set or extended period for reply will, by some any reply received by the Office later than three months after the rearned patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, may a in. In. In a reply within the statutory minimum of thire eriod will apply and will expire SIX (6) MON statute, cause the application to become AE	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on	1/28/05					
3) Since this application is in condition for all	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice und	der <i>Ex part</i> e Quayle, 1935 C.D). 11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-14, lo, 17 is/are pending in the application	cation.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed. 6) Claim(s)						
7) Claim(s) is/are objected to.	• • • • • • • • • • • • • • • • • • • •					
8) Claim(s) are subject to restriction a	nd/or election requirement.					
Application Papers						
9) The specification is objected to by the Example 1	miner.					
10) The drawing(s) filed on is/are: a)	☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to	the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the co	•					
11)☐ The oath or declaration is objected to by the	e Examiner. Note the attache	d Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority documents		§ 119(a)-(d) or (f).				
2. Certified copies of the priority docum		opplication No				
3. Copies of the certified copies of the						
application from the International Bu	ıreau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a	a list of the certified copies not	received.				
Attachmont/al						
Attachment(s) 1) X Notice of References Cited (PTO-892)	4) Interview	Summary (PTO-413)				
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SI Paper No(s)/Mail Date 13004	B/08) 5) ☐ Notice of I 6) ☐ Other:	nformal Patent Application (PTO-152)				
(*) [

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Applicant's amendment of January 28, 2005 is acknowledged and Applicant's helpful submission of the IPER (i.e. the PCT 409 form) and the new and clearer specification is appreciated. In view of the incorporation of claim 15 into claim 14, the Examiner withdraws the previous restriction requirement and examines all of the claims here. All of the claims are deemed to contain allowable subject matter however some vagaries remain to be addressed.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-14, 16 and 17 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, line 19, claim 2, last paragraph, claim 5, line 7, claim 8, line 21, claim 14, line 27 and claim 17, line 7, the use of "whereby" is unclear. Important limitations follow the word "whereby" in each of these claims at the indicated location and the Examiner believes that they were intended to be operative limitations in the claims. "Whereby clauses" normally are used in U.S. practice to add functional language to structural claims and is often ignored in the examination of the apparatus. The Examiner would suggest that each of these occurrences of "whereby" be changed to --wherein - - so that these recitations are positively given the weight that applicant has intended them to be given. In claim 2, the second formula has an extra "." in front of *qsec*. In claim 4, line 4, "preferably" is vague (see MPEP 2173.05(b)) and the Examiner would suggest canceling it. In claim 6, line 6, there is no antecedent basis in

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claim 1 for the last term in the claim (*qprim_set point*). In claim 7, line 6, "exchangers" should be changed to -- exchanger --. In claim 8, line 16, "and/or" should be changed to -- or -- (because the specification discloses these only as alternatives). In claim 8, lines 18 and 19 "and that" is repeated twice in succession. Please eliminate the redundancy. In claim 11, line 8, "a temperature gauge" should read -- said temperature gauge --. Claim 12 should depend from claim 9, as that is where the antecedent for "valve (5)" is found. In claim 13, line 9, "disbranched" should be changed to -- branched -- for diction purposes. Finally, in claim 14, line 5, "effectible by the" should probably read -- controlled by a -- for diction and antecedent basis concerns.

Claims 1-14, 16 and 17 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

Any inquiry concerning this communication should be directed to John K. Ford at telephone number 571-272-4911.

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